What is claimed is:

1. A method of designing paint for a server computer, comprising the steps of:

acquiring color numerical information of a designated color from a client computer connected to the server computer;

determining ingredients of the paint based on the acquired color numerical information and paint ingredient information;

predicting performances of the ingredient-determined paint based on paint performance prediction information; and

verifying the predicted performances of the ingredient-determined paint.

2. The method as claimed in claim 1, further comprising the step of converting color information corresponding to a color into the color numerical information.

3. The method as claimed in claim 2, wherein the client computer has a three dimensional color display unit through which the designated color is input.

4. The method as claimed in claim 1, wherein the ingredients of the paint are determined by computer color matching.

5. The method as claimed in claim 1, wherein at least one of painting workability, coating film performance, and paint performance is predicted as the performance of the ingredient-determined paint.

6. The method as claimed in claim 1, wherein the color numerical information acquired from the client computer is one of a multi angle spectral reflection factor and a various angle spectral reflection factor.

7. The method as claimed in claim 1, wherein the step of verifying the predicted performances of the ingredient-determined paint further comprises the step of representing goodness of fit with discrete value between required performances and the predicted performances of the ingredient-determined paint.

8. A method of producing paint, comprising the steps of:

designing the paint as claimed in claim 1; and

producing the ingredient-determined paint.

9. A method of mixing paint ingredients at a painting line side based on the determined ingredients thereby to form the ingredient-determined paint as claimed in claim 1.

10. A method of painting an object with the produced paint as claimed in claim 8.

11. A method of painting an object with the mixed paint as claimed in claim 9.

12. A computer program for causing a computer to perform the method of designing paint as claimed in claim 1.

13. A computer readable recording medium storing the computer program as claimed in claim 12.

14. A server computer, comprising:

an acquiring unit that acquires color numerical information of a designated color from a client computer connected to the server computer;

a determining unit that determines ingredients of the paint based on the acquired color numerical information and paint ingredient information;

a predicting unit that predicts performances of the ingredient-determined paint based on paint performance prediction information; and

a verifying unit that verifies the predicted performances of the ingredient-determined paint.

15. The server computer as claimed in claim 14, further comprising a converting unit that converts color information corresponding to a color into the color numerical information.

16. The server computer as claimed in claim 14, wherein said verifying unit computes goodness of fit of the predicted performances of the ingredient-determined

paint with reference to required performances stored in a database, and represents the goodness of fit with discrete values.

5